



# **STIC Search Report**

## **EIC 3700**

**STIC Database Tracking Number: 148365**

**TO: Linda Sholl  
Location: RND 8a31  
Art Unit: 3700  
Monday, March 21, 2005**

**Case Serial Number: 10/806087**

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RND 8b31  
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### **Search Notes**

No past or current litigation found pertaining to US pat. 6672846.

Sources:

Lexis/Nexis  
Questel-Orbit

842349 (09) 6672846 January 6, 2004

Time of Request: March 21, 2005 02:08 PM EST

Research Information:

Utility, Design and Plant Patents  
patno=6672846

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6672846

January 6, 2004

Capacity modulation for plural compressors

**REISSUE:** March 22, 2004 - Reissue Application filed Ex. Gp.: 3748; Re. S.N. 10/806,087 (O.G. June 22, 2004)

**CERT-CORRECTION:** April 6, 2004 - a Certificate of Correction was issued for this patent (O.G. April 27, 2004)

**APPL-NO:** 842349 (09)

**FILED-DATE:** April 25, 2001

**GRANTED-DATE:** January 6, 2004

**ASSIGNEE-AT-ISSUE:** Copeland Corporation, Sidney, Ohio, 02

**ASSIGNEE-AFTER-ISSUE:** April 25, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., COPELAND CORPORATION 1675 W. CAMPBELL ROAD SIDNEY OHIO 45365, Reel and Frame Number: 11757/0024

**LEGAL-REP:** Harness, Dickey & Pierce, P. L.C.

Selected file: PLUSPAT  
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database

**\*\* SS 1: Results 1**  
**PRT SS 1 MAX 1 LEGALALL**

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
**Patent Number :**  
US2002159898 A1 20021031 [US20020159898]  
**Patent Number 2 :**  
US6672846 B2 20040106 [US6672846]  
**Title :**  
(A1) Plural compressors  
**Patent Assignee :**  
(B2) COPELAND CORP (US)  
**Patent Assignee :**  
Copeland Corporation, Sidney OH [US]  
**Patent Assignee 2 :**  
(B2) COPELAND CORP (US)  
**Inventor(s) :**  
(A1) KNAPKE CARL H (US); RAJENDRAN RAJAN (US); SHERIDAN JOHN P (US)  
**Application Nbr :**  
US84234901 20010425 [2001US-0842349]  
**Priority Details :**  
US84234901 20010425 [2001US-0842349]  
**Intl Patent Class :**  
(A1) F04B-017/00 F04B-035/04 F04B-049/00  
**EPO ECLA Class :**  
F04C-023/00B  
F04C-023/00D  
F04C-029/00B2  
F04C-029/04B  
F04C-029/08B  
F04C-029/10F  
**EPO ICO Class :**  
R04C-018/02B2  
**US Patent Class :**  
ORIGINAL (O) : 417410500; CROSS-REFERENCE (X) : 417426000 418055100  
**Document Type :**  
Corresponding document  
**Citations :**  
Cited; US5800141; US6206652; US6213731; US6267572; US6280154;  
JP56165701; JP5738690; JP0294987; JP04121474; JP404203489; Cited;  
US4105374; US4205537; US4252506; US4277955; US4358254; US4396360;  
US4515539; US5211031; US5328344; US5385453; US6193473  
**Publication Stage :**  
(A1) Utility Patent Application published on or after January 2, 2001  
**Publication Stage 2 :**  
(B2) U.S. Patent (with pre-grant pub.) after Jan. 2, 2001  
**Abstract :**  
A compressor system includes a pair of compressors located in a common shell. A common drive shaft drives both compressors and the drive shaft is powered by a single motor. One or both of the compressors can be equipped with a pulse width modulated capacity control system and a vapor injection system. When one compressor is equipped with these systems, the capacity can be varied between 50% and 110%. When both compressors are equipped with these systems, the capacity can be varied between 0% and 120%.  
**Update Code :**  
2002-45

1 / 1 LGST - ©EPO

**Patent Number :**

US2002159898 A1 20021031 [US20020159898]

US6672846 B2 20040106 [US6672846]

**Application Number :**

US84234901 20010425 [2001US-0842349]

**Action Taken :**

20040406 US/CC-A  
CERTIFICATE OF CORRECTION

20040622 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040322

**Update Code :**

2004-26

1 / 1 CRXX - ©CLAIMS/RRX

**Patent Number :**

6,672,846 A 20040106 [US6672846]

**Patent Assignee :**

Copeland Corp

**Actions :**

20040322 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040622  
REISSUE REQUEST NUMBER: 10/806087  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3748

Reissue Patent Number:

Session finished: 21 MAR 2005 Time 20:29:51  
QUESTEL.ORBIT thanks you. Hope to hear from you again soon.